Operation

MAGNUM®
Painting Solutions. Expert Results.

GRACO

The manual provided with this sprayer contains English and Español.

Visit our website; http://MAGNUMLTS.Graco.com

LTS 15, LTS 17, ProLTS 17, and ProLTS 19 Airless Sprayers

313034A

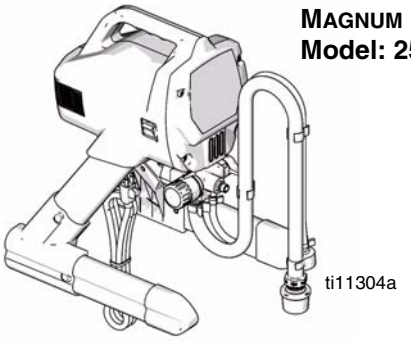
US Patent 6,752,067
European Patent 1 208 287
Korean Patent 10-0668583

Related Manual:
313036 - Repair

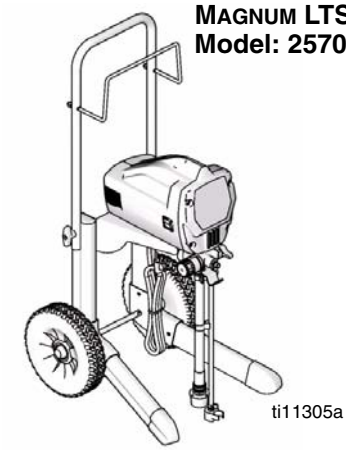
- For portable spray applications of architectural paints and coatings -
(Specifications, page 2.)

IMPORTANT SAFETY INSTRUCTIONS.
Read all warnings and instructions in this manual. Save these instructions. See page 2 for model and series information including dispense rate, recommended hose length, guns, and maximum working pressure.

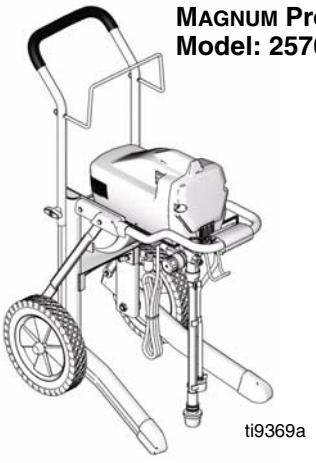
LTS 15 & LTS 17 Models ONLY: Use water-based or mineral spirit-type materials only. Do not use materials having flash points lower than 70° F (21° C). For more information about your material, request MSDS from distributor or retailer.



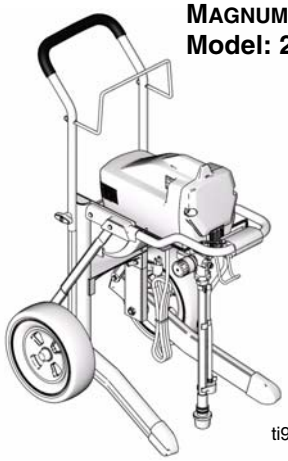
MAGNUM LTS 15
Model: 257060



MAGNUM LTS 17
Model: 257065



MAGNUM ProLTS 17
Model: 257070



MAGNUM ProLTS 19
Model: 257080

PROVEN QUALITY. LEADING TECHNOLOGY.

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Specifications

This equipment is not intended for use with flammable or combustible materials used in places such as cabinet shops or other “factory”, or fixed locations. If you intend to use this equipment in this type of application, you must comply with NFPA 33 and OSHA requirements for the use of flammable and combustible materials.

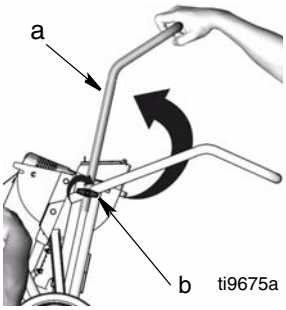
Model Name	Series	Dispense Rate gpm (lpm)	Hose Length and Diameter	Gun Model	Maximum Working Pressure		
					PSI	MPa	bar
MAGNUM LTS 15	A	0.24 gpm (0.91 lpm)	1/4 in. x 25 ft (6.4 mm x 7.5 m)	SG2	2800	19	193
MAGNUM LTS 17	A	0.31 gpm (1.17 lpm)	1/4 in. x 25 ft (6.4 mm x 7.5 m)	SG2	3000	21	207
MAGNUM ProLTS 17	A	0.34 gpm (1.29 lpm)	1/4 in. X 50 ft (6.4 mm x 15 m)	SG3	3000	21	207
MAGNUM ProLTS 19	A	0.38 gpm (1.44 lpm)	1/4 in. X 50 ft (6.4 mm x 15 m)	SG3	3000	21	207

Getting Started

Fold-n-Store™ Cart (ProLTS Sprayers Only)

1. Unfold handle (a) and align as shown.

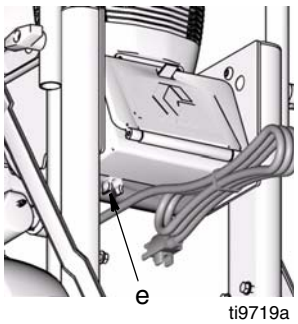
2. Tighten wingnuts (b).



3. Grasp cart handle securely with one hand. With the other hand lift and pull Fold-n-Store™ handle (a) located in front of sprayer frame, toward you. Lift up front of sprayer until you hear a click and the cart is locked in place.

4. Install hose rack (d) to frame handle. Install lock nuts. Tighten securely.

5. Secure power cord in clip (e) located beneath storage compartment.



Warnings

The following warnings are for the setup, use, grounding, maintenance and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbol refers to procedure-specific risks. Refer back to these warnings. Additional, product-specific warnings may be found throughout the body of this manual where applicable.

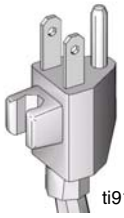
Grounding Instructions

This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

⚠ WARNING

GROUNDING

- Improper installation of the grounding plug is able to result in a risk of electric shock.
- When repair or replacement of the cord or plug is required, do not connect the grounding wire to either flat blade terminal.
- The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.
- Check with a qualified electrician or serviceman when the grounding instructions are not completely understood, or when in doubt as to whether the product is properly grounded.
- Do not modify the plug provided; if it does not fit the outlet, have the proper outlet installed by a qualified electrician.
- This product is for use on a nominal 120V circuit and has a grounding plug similar to the plug illustrated in the figure below.



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- Only connect the product to an outlet having the same configuration as the plug.
- Do not use an adapter with this product.

Extension Cords:

- Use only a 3-wire extension cord that has a 3-blade grounding plug and a 3-slot receptacle that accepts the plug on the product.
- Make sure your extension cord is not damaged. If an extension cord is necessary, use 12 AWG

  (2.5 mm^2) minimum to carry the current that the product draws.

An undersized cord results in a drop in line voltage and loss of power and overheating.

⚠ WARNING

FIRE AND EXPLOSION HAZARD

Flammable fumes, such as solvent and paint fumes, in work area can ignite or explode. To help prevent fire and explosion:

- Do not spray flammable or combustible materials near an open flame or sources of ignition such as cigarettes, motors, and electrical equipment. **For LTS 15 and LTS 17 models:** only use water-based or mineral spirit-type materials with a flash point greater than 70° F (21° C).
- Paint or solvent flowing through the equipment is able to result in static electricity. Static electricity creates a risk of fire or explosion in the presence of paint or solvent fumes. All parts of the spray system, including the pump, hose assembly, spray gun, and objects in and around the spray area shall be properly grounded to protect against static discharge and sparks. Use Graco conductive or grounded high-pressure airless paint sprayer hoses.
- Verify that all containers and collection systems are grounded to prevent static discharge.
- Connect to a grounded outlet and use grounded extensions cords. Do not use a 3-to-2 adapter.
- Do not use a paint or a solvent containing halogenated hydrocarbons.
- Keep spray area well-ventilated. Keep a good supply of fresh air moving through the area. Keep pump assembly in a well ventilated area. Do not spray pump assembly.
- Do not smoke in the spray area.
- Do not operate light switches, engines, or similar spark producing products in the spray area.
- Keep area clean and free of paint or solvent containers, rags, and other flammable materials.
- Know the contents of the paints and solvents being sprayed. Read all Material Safety Data Sheets (MSDS) and container labels provided with the paints and solvents. Follow the paint and solvents manufacturer's safety instructions.
- Fire extinguisher equipment shall be present and working.
- Sprayer generates sparks. When flammable liquid is used in or near the sprayer or for flushing or cleaning, keep sprayer at least 20 feet (6 m) away from explosive vapors.

SKIN INJECTION HAZARD

- Do not aim the gun at, or spray any person or animal.
- Keep hands and other body parts away from the discharge. For example, do not try to stop leaks with any part of the body.
- Always use the nozzle tip guard. Do not spray without nozzle tip guard in place.
- Use Graco nozzle tips.
- Use caution when cleaning and changing nozzle tips. In the case where the nozzle tip clogs while spraying, follow the **Pressure Relief Procedure** for turning off the unit and relieving the pressure before removing the nozzle tip to clean.
- Do not leave the unit energized or under pressure while unattended. When the unit is not in use, turn off the unit and follow the **Pressure Relief Procedure** for turning off the unit.
- High-pressure spray is able to inject toxins into the body and cause serious bodily injury. In the event that injection occurs, **get immediate surgical treatment**.
- Check hoses and parts for signs of damage. Replace any damaged hoses or parts.
- This system is capable of producing 3000 psi. Use Graco replacement parts or accessories that are rated a minimum of 3000 psi.
- Always engage the trigger lock when not spraying. Verify the trigger lock is functioning properly.
- Verify that all connections are secure before operating the unit.
- Know how to stop the unit and bleed pressure quickly. Be thoroughly familiar with the controls.

⚠ WARNING

EQUIPMENT MISUSE HAZARD

Misuse can cause death or serious injury.

- Always wear appropriate gloves, eye protection, and a respirator or mask when painting.
- Do not operate or spray near children. Keep children away from equipment at all times.
- Do not overreach or stand on an unstable support. Keep effective footing and balance at all times.
- Stay alert and watch what you are doing.
- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Do not kink or over-bend the hose.
- Do not expose the hose to temperatures or to pressures in excess of those specified by Graco.
- Do not use the hose as a strength member to pull or lift the equipment.

ELECTRIC SHOCK HAZARD

Improper grounding, setup, or usage of the system can cause electric shock.

- Turn off and disconnect power cord before servicing equipment.
- Use only grounded electrical outlets.
- Use only 3-wire extension cords.
- Ensure ground prongs are intact on sprayer and extension cords.
- Do not expose to rain. Store indoors.

PRESSURIZED ALUMINUM PARTS HAZARD

Do not use 1, 1, 1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in pressurized aluminum equipment. Such use can cause serious chemical reaction and equipment rupture, and result in death, serious injury, and property damage.

BURN HAZARD

Equipment surfaces can become very hot during operation. To avoid severe burns, do not touch hot equipment. Wait until equipment has cooled completely.

MOVING PARTS HAZARD

Moving parts can pinch or amputate fingers and other body parts.

- Keep clear of moving parts.
- Do not operate equipment with protective guards or covers removed.
- Pressurized equipment can start without warning. Before checking, moving, or servicing equipment, follow the **Pressure Relief Procedure** in this manual. Disconnect power or air supply.

TOXIC FLUID OR FUMES HAZARD

Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.

- Read MSDS's to know the specific hazards of the fluids you are using.
- Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.

PERSONAL PROTECTIVE EQUIPMENT

You must wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect you from serious injury, including eye injury, inhalation of toxic fumes, burns, and hearing loss. This equipment includes but is not limited to:

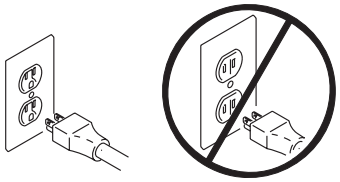
- Protective eye wear
- Clothing and respirator as recommended by the fluid and solvent manufacturer
- Gloves
- Hearing protection

Installation

Grounding and Electric Requirements

Sprayer must be grounded. Grounding reduces the risk of static and electric shock by providing an escape wire for electrical current due to static build up or in the event of a short circuit.

- The 120 Vac sprayers require a 120 Vac, 60 Hz, 15A circuit with a grounding receptacle.



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- Never use an outlet that is not grounded or an adapter.
- Do not use the sprayer if the electrical cord has a damaged ground prong.
- Only use an extension cord with an undamaged 3-prong plug.

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Recommended extension cords for use with this sprayer:

- 50 ft (15.0 m) 14 AWG (2.1 mm^2)
- 100 ft (30.0 m) 12 AWG (3.3 mm^2)

Spray gun: ground through connection to a properly grounded fluid hose and pump.

Smaller gauge or longer extension cords may reduce sprayer performance.

Fluid supply container: follow local code.
Solvent pails used when flushing: follow local code. Use only conductive metal pails, placed on a grounded surface such as concrete. Do not place the pail on a nonconductive surface, such as paper or cardboard, which interrupts grounding continuity.
Grounding the metal pail: connect a ground wire to the pail by clamping one end to pail and other end to ground such as a water pipe.
Maintaining grounding continuity when flushing or relieving pressure: hold metal part of the spray gun firmly to the side of a grounded metal pail, then trigger the gun.

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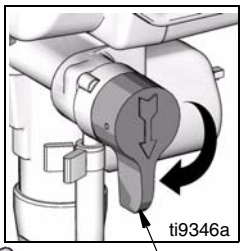
Thermal Overload

Motor has a thermal overload switch to shut itself down if overheated. If unit overheats, allow approximately 45 minutes for unit to cool. Once cool, switch will close and unit will restart.

To reduce risk of injury from motor starting unexpectedly when it cools, always turn power switch OFF if motor shuts down.

Component Identification

A	Airless spray gun	Dispenses fluid.
B	Power switch	Turns sprayer ON and OFF.
C	Pressure control knob	Increases (clockwise) and decreases (counter-clockwise) fluid pressure in pump, hose, and spray gun.
C1	Setting Indicator	To select function, align symbol on pressure control knob with setting indicator, page 9.
D	Pump fluid outlet fitting	Threaded connection for paint hose.
E	InstaClean™ fluid filter **(ProLTS Sprayers only)**	• Filters fluid coming out of pump to reduce tip plugging and improve finish. • Self cleans only during pressure relief.
F	Power-Piston™ Pump (behind Easy Access door, not shown) **(ProLTS Sprayers only)**	Pumps and pressurizes fluid and delivers it to paint hose.
F1	Easy Access door **(ProLTS Sprayers only)**	Easy Access door permits quick access to outlet valve. To remove door, insert flat blade of screwdriver into slot on the bottom of the door (as shown on page, 7).
G	Suction tube	Draws fluid from paint pail into pump.
H	Prime tube (with diffuser)	Drains fluid in system during priming and pressure relief.
J	Prime/Spray valve	• In PRIME position (pointing down) directs fluid to prime tube. • In SPRAY position (pointing forward) directs pressurized fluid to paint hose. • Automatically relieves system pressure in overpressure situations.
K	Storage compartment **(ProLTS Sprayers only)**	Provides onboard storage for spray tips and/or tools.
L	Inlet screen	Prevents debris from entering pump.
M	Paint hose	Transports high-pressure fluid from pump to spray gun.
N	Fold-n-Store™ Handle **(ProLTS Sprayers only)**	Used to fold cart frame for hanging on wall.
Q	Tip guard	Reduces risk of fluid injection injury.
R	Reversible spray tip	• Atomizes fluid being sprayed, forms spray pattern and controls fluid flow according to hole size. • Reverse unclogs plugged tips without disassembly.
S	Gun trigger safety lever (page 9)	Prevents accidental triggering of spray gun.
T	Gun fluid inlet fitting	Threaded connection for paint hose.
U	Power Flush attachment	Connects garden hose to suction tube for power flushing water-base fluids.
V	Gun fluid filter	Filters fluid entering spray gun to reduce tip clogs.
W	Hose wrap Rack	Stows paint hose. (LTS 17, ProLTS 17, ProLTS 19 only)
X	Pail hanger **(LTS 17, Pro-LTS 17, ProLTS 19 only)**	For transporting pail by its handle.
AA	QuickAccess™ Inlet	Permits quick access to inlet valve to clear debris (ProLTS 19 only).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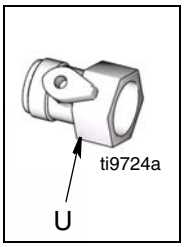
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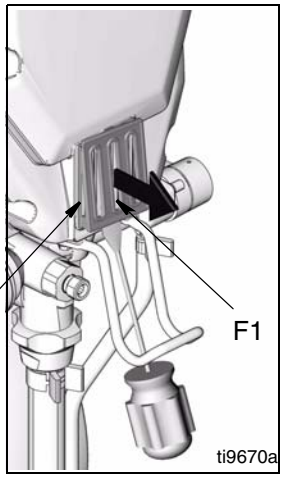
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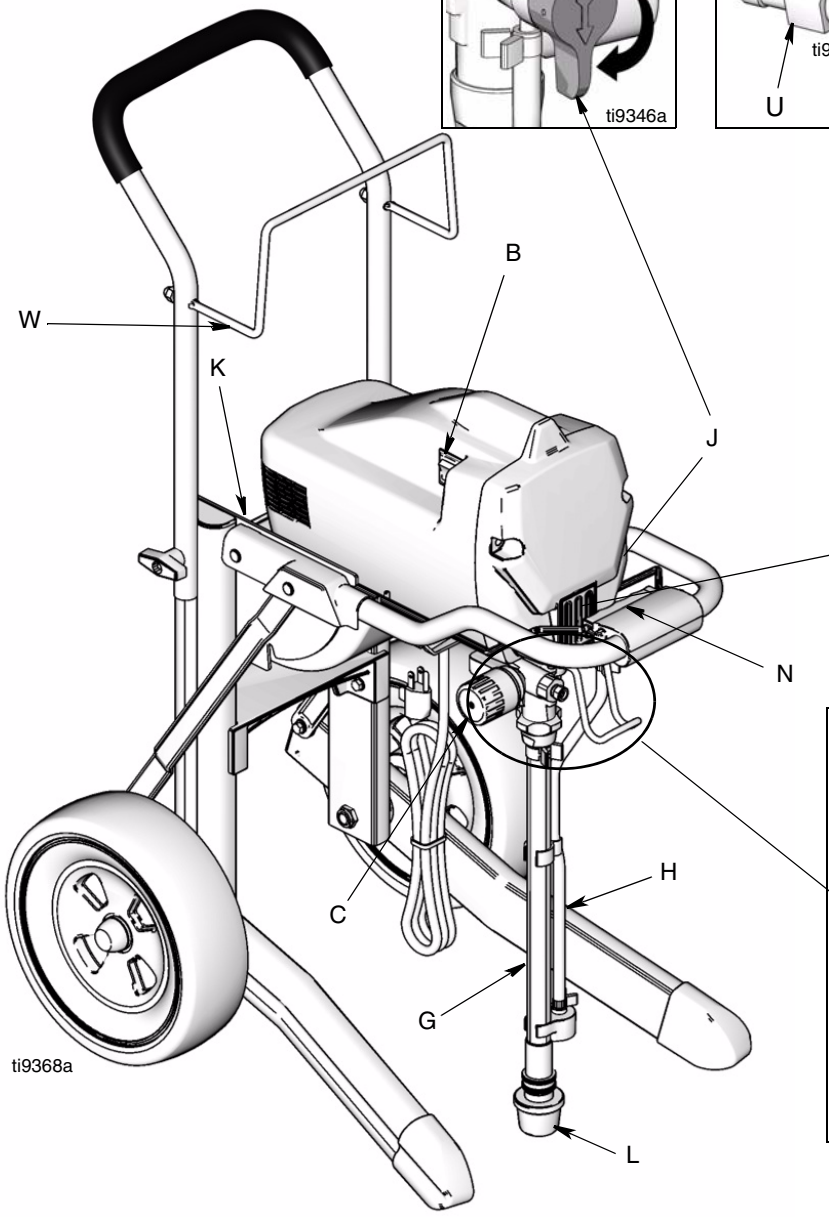
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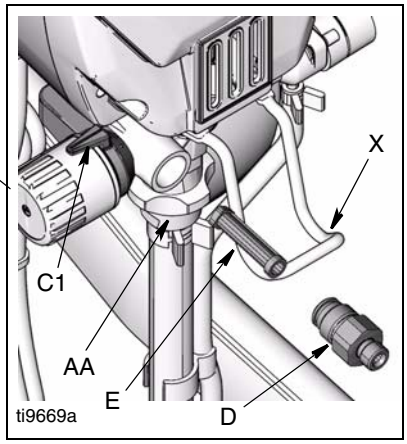
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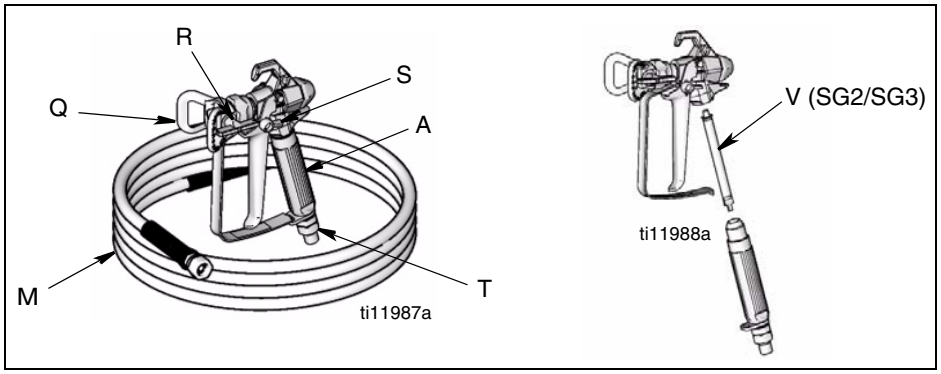
R
S
Q
A
M
T
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V (SG2/SG3)
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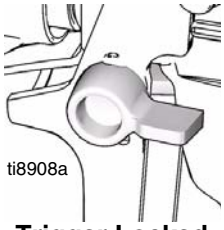
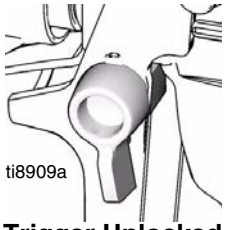
Operation

Trigger Lock

Always engage the trigger lock when you stop spraying to prevent the gun from being triggered accidentally by hand or if dropped or bumped.



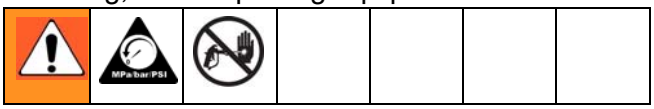
Trigger Locked



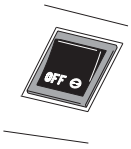
Trigger Unlocked

Pressure Relief Procedure

Follow this **Pressure Relief Procedure** whenever you stop spraying and before cleaning, checking, servicing, or transporting equipment.



1. Turn power switch OFF and unplug power cord.



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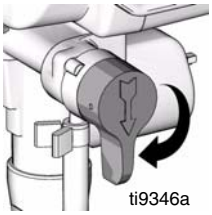
2. Turn Prime/Spray valve to PRIME to relieve pressure.



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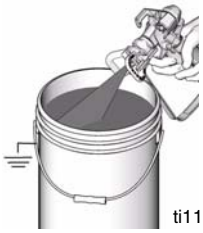
3. Hold gun firmly to side of pail. Trigger the gun to relieve pressure.



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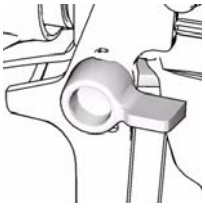
4. Engage trigger lock.



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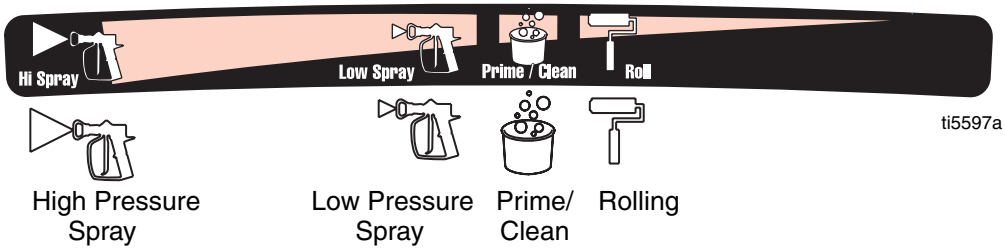
Leave Prime/Spray valve in the PRIME position until you are ready to spray again.

If you suspect the spray tip or hose is clogged or that pressure has not been fully relieved after following the steps above, VERY SLOWLY loosen tip guard retaining nut or hose end coupling to relieve pressure gradually, then loosen completely. Clear hose or tip obstruction. Read Unclogging Spray Tip, page 13.

Pressure Control Knob Settings



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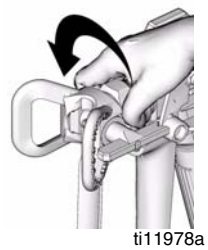
High Pressure Spray | Low Pressure Spray | Prime/ Clean | Rolling

To select function, align symbol on pressure control knob with setting indicator on sprayer.

Setup

1. Unscrew tip and guard assembly from gun.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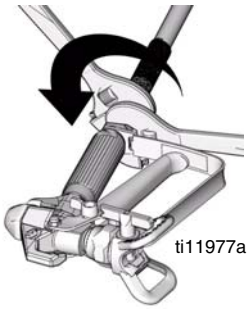
2. Uncoil hose and connect one end to gun. Use two wrenches to tighten securely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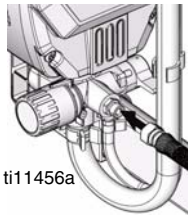
3. Connect other end of hose to sprayer.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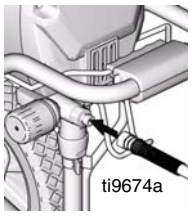
(LTS)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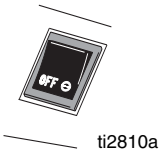
(ProLTS)

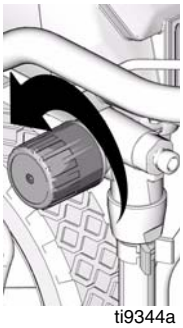
If hose is already connected, make sure connections are tight.

4. Turn OFF power switch.



ti2810a

5. Turn Pressure Control Knob all the way left (counter-clockwise) to minimum pressure.


ti9344a

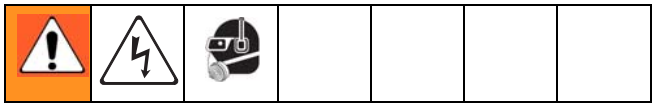
Prime and Flush Storage Fluid

To spray lacquers with the ProLTS 17 or ProLTS 19, you must purchase lacquer conversion kit 256212, and follow priming procedure for oil-based materials. The LTS 15 and LTS 17 units are not intended for lacquers.

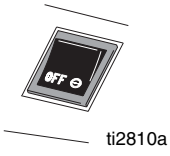
Before you use your sprayer for the first time or begin a new spraying project, you need to prime the sprayer and flush the storage fluid out of the sprayer.

Oil- or Water-based Materials

- When spraying **water-based** materials, flush the system thoroughly with water.
- When spraying **oil-based** materials, flush the system thoroughly with mineral spirits or compatible, oil-based flushing solvent.
- To spray **water-based** materials **after spraying oil-based** materials, flush the system thoroughly with water first. The water flowing out of prime tube should be clear and solvent-free **before** you begin spraying the water-based material.
- To spray **oil-based** materials **after spraying water-based** materials, flush the system thoroughly with mineral spirits or a compatible oil-based flushing solvent first. The solvent flowing out of the prime tube should not contain any water.
- When flushing with solvents, ground pail and gun. Read Grounding and Electric Requirements, page 6.
- To avoid fluid splashing back on your skin or into your eyes, always aim gun at inside wall of pail.

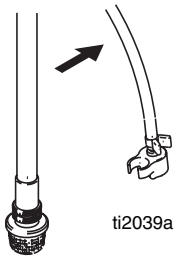


1. Make sure the power switch is OFF and the sprayer is unplugged.

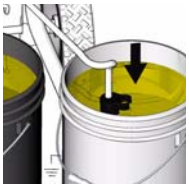


ti2810a

2. Separate prime tube (smaller) from suction tube (larger).


ti2039a

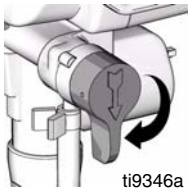
3. Place prime tube in waste pail.


ti9652a

4. Submerge suction tube in water or flushing solvent.

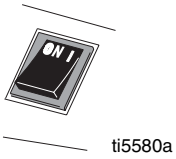
ti9651a

5. Turn Prime/Spray Valve to PRIME.


ti9346a

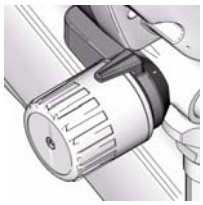
6. Plug sprayer in a grounded outlet.

7. Turn power switch ON.



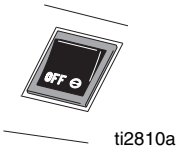
ti5580a

8. Align setting indicator with Prime/Clean setting on Pressure Control knob until pump starts, page 9.


ti9718a

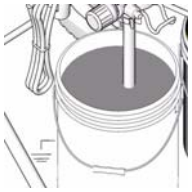
9. When sprayer starts pumping, flushing solvent and air bubbles will be purged from system. Allow fluid to flow out of prime tube, into waste pail, for 30 to 60 seconds.

10. Turn power switch OFF.

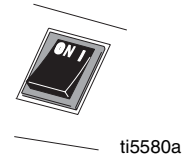


ti2810a

11. Transfer suction tube to paint pail and submerge suction tube in paint.

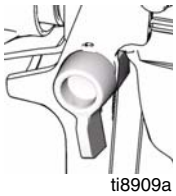

ti9653a

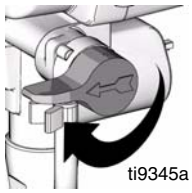
12. Turn power switch ON.



ti5580a

13. When you see paint coming out of prime tube:
    a. Point gun into waste pail.
    b. Unlock gun trigger lock.
    c. Pull and hold gun trigger.
    d. Turn Prime/Spray valve to SPRAY.


ti8909a


ti9345a

14. Continue to trigger gun into waste pail until you see only paint coming out of gun.

15. Release trigger. Engage trigger lock.

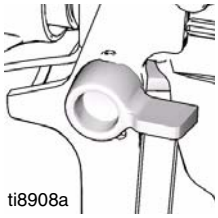
16. Transfer prime tube to paint pail and clip prime tube to suction tube.

ti8908a

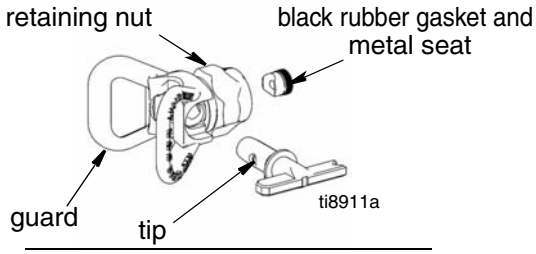
- Motor stopping indicates pump and hose are primed with paint.
- If motor continues to run the sprayer is not properly primed. To reprime repeat step 8.

Install Tip and Guard on Gun

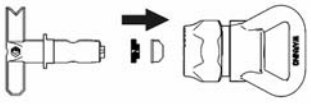
1. Engage trigger lock.



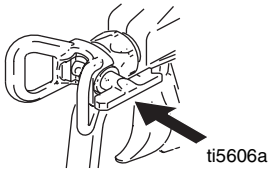
2. Verify tip and guard parts are assembled in order shown.



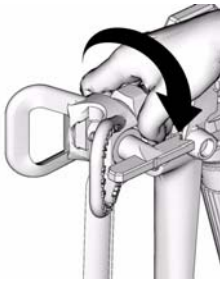
Use tip to align seat in guard



Tip must be pushed all the way into guard



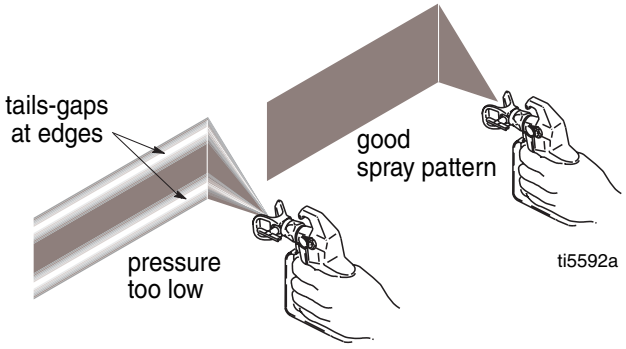
3. Screw tip and guard assembly on gun. Tighten retaining nut.



Spraying Techniques

Preventing Excessive Tip Wear

- Spray should be atomized (evenly distributed, no gaps at edges). Start at low pressure setting, increase pressure a little at a time until you see a good spray pattern, without tails.
- Spray at lowest pressure that atomizes paint.
- If maximum sprayer pressure is not enough for a good spray pattern, tip is too worn. See Reversible Spray Tip Selection Chart, page 15.



If tails persist when spraying at the highest pressure, a smaller tip is needed or the material may need to be thinned.

Adjust Spray Pressure

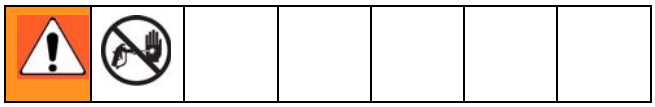
This sprayer is set up for most airless spraying applications. Details on tip selection, tip wear, coat thickness, etc. are provided on page 14.

Motor only runs when gun is triggered. Sprayer is designed to stop pumping when gun trigger is released.

Align setting indicator with function symbol on Pressure Control knob, page 9.

- Turning knob to right (clockwise), increases pressure at gun.
- Turning it left (counter-clockwise), decreases pressure.
- General spraying instructions are provided in Getting Started with Basic Spraying Techniques section of this manual, page 16.

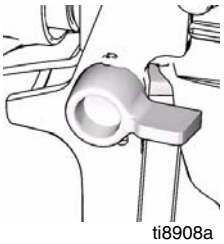
Unclogging Spray Tip



To avoid fluid splashback:

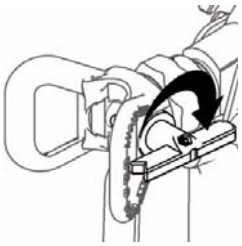
- Never pull gun trigger when arrow-shaped handle is between SPRAY and UNCLOG positions.
- Tip must be pushed all the way into guard.

1. To UNCLOG tip obstruction, engage trigger lock.



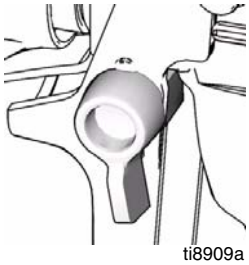
ti8908a

2. Point arrow-shaped handle backward to UNCLOG position.
3. Aim gun at piece of scrap or cardboard.



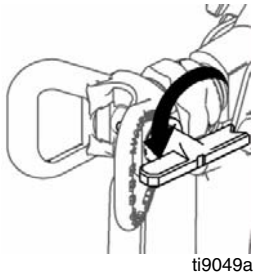
ti9048a

4. Unlock trigger lock. Pull trigger to clear clog.



ti8909a

5. When obstruction is cleared, engage trigger lock and rotate arrow-shaped handle back to SPRAY position.



ti9049a

Point the arrow-shaped handle on the spray tip forward to SPRAY and backward to UNCLOG obstructions.

Tip Selection

Selecting Tip Hole Size

Tips come in a variety of hole sizes for spraying a range of fluids. Your sprayer includes an 0.015 in (0.38 mm) tip for use in most spraying applications. Use the following table to determine the range of recommended tip hole sizes for each fluid type. If you need a tip other than the one supplied, see the **Reversible Tip Selection Chart** on page 15.

HINTS:

- As you spray, the tip wears and enlarges. Starting with a tip hole size smaller than the maximum will allow you to spray within the rated flow capacity of the sprayer.
- Maximum tip hole sizes supported by the sprayer:

  – LTS 15: 0.015 in. (0.38 mm)
  – LTS 17: 0.017 in. (0.43 mm)
  – ProLTS 17: 0.017 in. (0.43 mm)
  – ProLTS 19: 0.019 in. (0.48 mm)

Tip Hole Size	Coatings				
	Stains	***Enamels***	***Primers***	***Interior Paints***	***Exterior Paints***
0.011 in. (0.28 mm)	✔				
0.013 in. (0.33 mm)	✔	✔	✔	✔	
0.015 in. (0.38 mm)		✔	✔	✔	✔
0.017 in. (0.43 mm)			✔	✔	✔
0.019 in. (0.48 mm)					✔

Choosing the Correct Tip

Consider coating and surface to be sprayed. Make sure you use best tip hole size for that coating and best fan width for that surface.

Tip Hole Size

Tip hole size controls flow rate - the amount of paint that comes out of the gun.

HINTS:

- Use larger tip hole sizes with thicker coatings and smaller tip hole sizes with thinner coatings.
- Maximum tip hole sizes supported by sprayer:

  – LTS 15: 0.015 in. (0.38 mm)
  – LTS 17: 0.017 in. (0.43 mm)
  – ProLTS 17: 0.017 in. (0.43 mm)
  – ProLTS 19: 0.019 in. (0.48 mm)
- Tips wear with use and need periodic replacement.

Fan Width

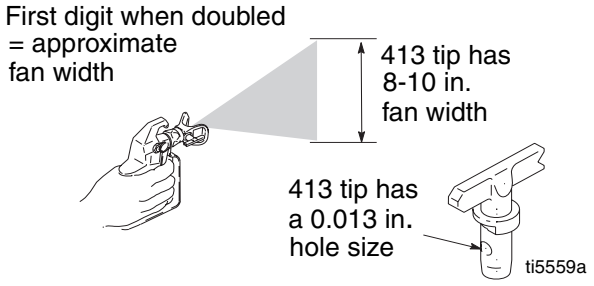
Fan width is the size of the spray pattern, which determines the area covered with each stroke. Narrower fans deliver a thicker coat, and wider fans deliver a thinner coat.

HINTS:

- Select a fan width best suited to the surface being sprayed.
- Wider fans allow provide better coverage on broad, open surfaces.
- Narrower fans provide better control on small, confined surfaces.

Understanding Tip Number

The last three digits of tip number (i.e.: 221413) contain information about hole size and fan width on surface when gun is held 12 in. (30.5 cm) from surface being sprayed.



Last two digits = tip hole size in thousands of an inch

Reversible Tip Selection Chart

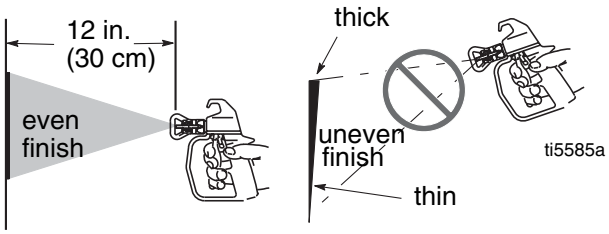
Tip Part No.	Fan Width 12 in. (305 mm) from surface	Hole Size
221311	6 - 8 in. (152 - 203 mm)	0.011 in. (0.28 mm)
221411	8 - 10 in. (203 - 254 mm)	0.011 in. (0.28 mm)
221313	6 - 8 in. (152 - 203 mm)	0.013 in. (0.33 mm)
221413	8 - 10 in. (203 - 254 mm)	0.013 in. (0.33 mm)
221415	8 - 10 in. (203 - 254 mm)	0.015 in. (0.38 mm)
221515	10 - 12 in. (254 - 305 mm)	0.015 in. (0.38 mm)
221417	8 - 10 in. (203 - 254 mm)	0.017 in. (0.43 mm)
221517	10 - 12 in. (254 - 305 mm)	0.017 in. (0.43 mm)
221619	12 - 14 in. (305 - 356 mm)	0.019 in. (0.48 mm)

Example: For an 8 to 10 in. (203 to 254 mm) fan width and 0.013 (0.33 mm) hole size, order Part No. 221413.

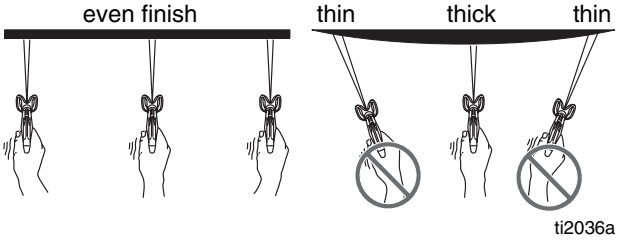
Getting Started With Basic Techniques

Use a piece of scrap cardboard to practice these basic spraying techniques before you begin spraying the surface.

- Hold gun 12 in. (30 cm) from surface and aim straight at surface. Tilting gun to direct spray angle causes an uneven finish.

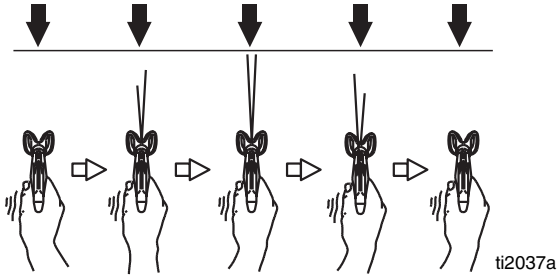


- Flex wrist to keep gun pointed straight. Fanning gun to direct spray at angle causes uneven finish.



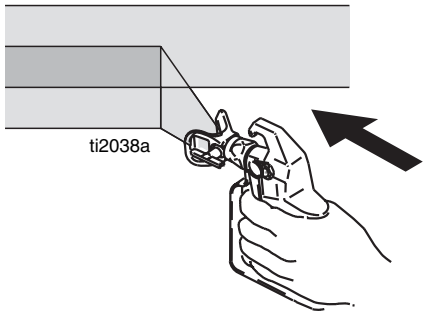
Triggering Gun

Pull trigger after starting stroke. Release trigger before end of stroke. Gun must be moving when trigger is pulled and released.



Aiming Gun

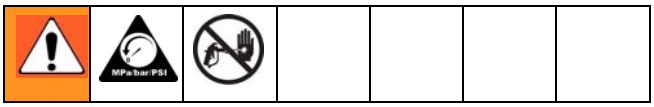
Aim tip of gun at bottom edge of previous stroke, overlapping each stroke by half.



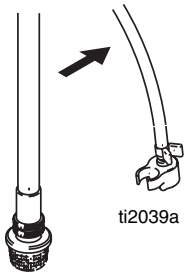
Shutdown and Cleaning

Pail Flushing

- For short term shutdown periods (overnight to two days) refer to Short Term Storage, page 22.
- For flushing after spraying oil-based coatings, use compatible oil-based flushing fluid or mineral spirits. Read Priming and Flushing Storage Fluid, page 10.
- For flushing after spraying water-based coatings, use water. Read Priming and Flushing Storage Fluid, page 10 or Power Flush, page 19.



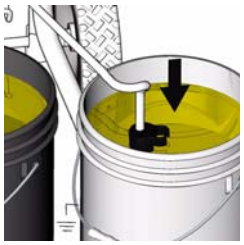
1. **Relieve pressure**, page 9.
2. Remove tip and guard assembly from gun and place in flushing fluid.
3. Lift suction tube and prime tube from paint pail. Let them drain into paint pail for a while.
4. Separate prime tube (smaller) from suction tube (larger).


ti2039a

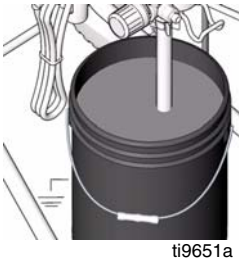
5. Place empty waste and water or solvent pails side by side.

ti9726a

6. Place prime tube in waste pail.


ti9652a

7. Submerge suction tube in water or flushing solvent.


ti9651a

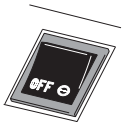
8. Turn pressure control knob to the Prime/Clean setting.

ti9344a

9. Turn power switch ON.

ti5580a

10. Flush until approximately 1/3 of the flushing fluid is emptied from the pail.
11. Turn power switch OFF.



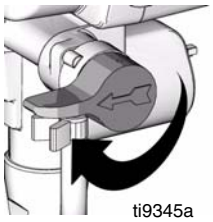
ti2018a

Step 12 is for returning paint in hose back to paint pail. One 50-ft hose holds approximately 1-quart (1-liter) of paint.

12. To preserve paint in hose:
    a. Point gun into paint pail.

ti8909a

    b. Unlock gun trigger lock.
    c. Pull and hold gun trigger.
    d. Turn Prime/Spray valve to SPRAY.


ti9345a

    e. Turn power switch ON.

ti5580a

    f. Continue to hold gun trigger until you see paint diluted with flushing fluid starting to come out of gun.

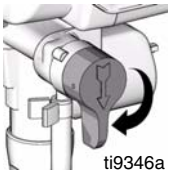
13. While continuing to trigger gun, quickly move gun to redirect spray into waste pail. Continue triggering gun into waste pail until flushing fluid dispensed from gun is relatively clear.

ti9745a

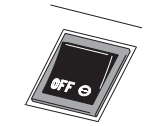
14. Stop triggering gun. Engage the trigger lock.

ti8908a

15. Turn prime/spray valve to Prime.


ti9346a

16. Turn power switch OFF.



ti2018a

17. Clean InstaClean Fluid Filter and gun, page 21.

18. Fill unit with Pump Armor™ storage fluid. Read Long Term Storage, page 22.

Power Flush

Power flushing is a faster method of flushing. It can only be used after spraying water-based coatings.

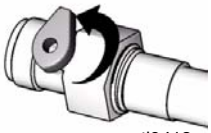
1. **Relieve pressure**, page 9.
2. Remove tip and guard assembly from gun and place in waste pail.
3. Place empty waste and paint pails side by side.

ti9726a

4. Lift suction tube and prime tube from paint pail. Let them drain into paint for a while.
5. Place suction and prime tube in waste pail.
6. Turn Pressure Control knob to the Prime/Clean setting.

ti9344a

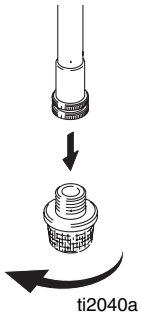
7. Screw power flush attachment to garden hose. Close valve.


ti9413a

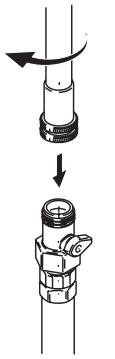
8. Turn on water. Open valve. Rinse paint off suction tube, prime tube and inlet screen.
9. Turn lever to close power flush attachment.

ti9727a

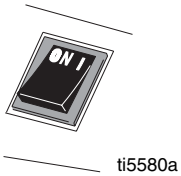
10. Unscrew inlet screen from suction tube. Place inlet screen in waste pail.


ti2040a

11. Connect garden hose to suction tube with Power Flush attachment. Leave prime tube in waste pail.

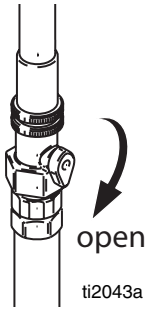

ti2042a

12. Turn power switch ON.



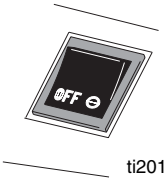
ti5580a

13. Open lever on Power Flush attachment.



ti2043a

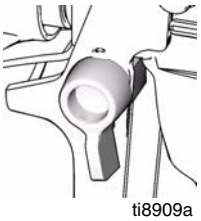
14. Circulate water through sprayer, into waste pail, for 20 seconds.
15. Turn power switch OFF.



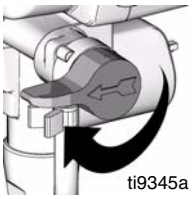
ti2018a

Step 16 is for returning paint in hose back to paint pail. One 50-ft (15-m) hose holds approximately 1-quart (1-liter) of paint.

16. To preserve paint in hose:
    a. Point gun into paint pail.
    b. Unlock gun trigger lock.


ti8909a

    c. Pull and hold gun trigger.
    d. Turn Prime/Spray valve to SPRAY.


ti9345a

    e. Turn power switch ON.

ti5580a

    f. Continue to hold gun trigger until you see paint diluted with water starting to come out of gun.

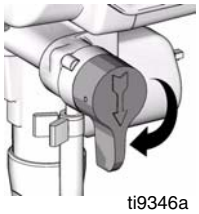
17. While continuing to trigger gun, quickly move gun to redirect spray into waste pail. Continue triggering gun into waste pail until water coming out of gun is relatively clear.

ti9745a

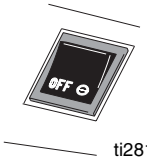
18. Stop triggering gun. Engage trigger lock.

ti8908a

19. Turn prime/spray valve to Prime.


ti9346a

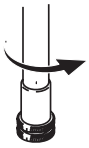
20. Turn power switch OFF.



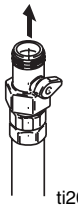
ti2810a

ti9413a

21. Turn off garden hose. Close Power Flush attachment.



22. Unscrew Power Flush attachment from suction tube.


ti2047a

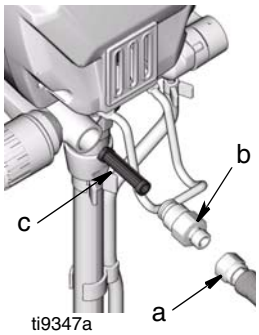
23. Clean InstaClean Fluid Filter and gun, page 21.

24. Fill unit with Pump Armor™ storage fluid. Read Long Term Storage, page 22.

Cleaning InstaClean™ Fluid Filter (ProLTS Sprayers Only)

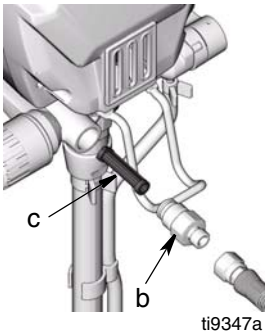
The InstaClean Fluid Filter prevents particles from entering paint hose. After each use, remove and clean it to insure peak performance.

1. **Relieve pressure**, page 9.
2.
   a. Disconnect airless spray hose (a) from sprayer
   b. Unscrew outlet fitting (b).
   c. Remove InstaClean Fluid Filter (c).



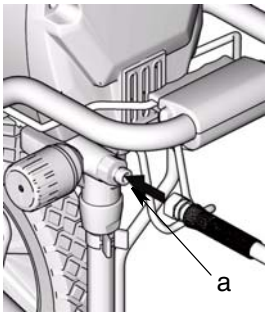
ti9347a

3. Check InstaClean Fluid Filter (c) for debris. If needed, clean filter with water and a soft brush.
   a. Install open end of InstaClean Fluid Filter (c) in sprayer.
   b. Screw outlet fitting (b) into sprayer.



ti9347a

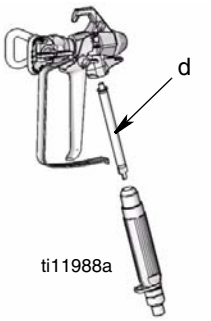
4. Tighten outlet fitting and reconnect hose (a) to sprayer. Use two wrenches to tighten securely.



ti9674a

Cleaning Gun

- Clean gun fluid filter (d) with water or flushing solvent and a brush every time you flush the system. Replace gun filter if damaged.



ti11988a

- Remove tip and guard and clean with water or flushing solvent. A soft brush can be used to loosen and remove dried on material if needed.

ti9671a

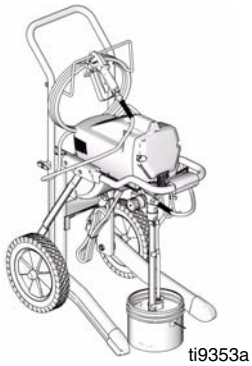
- Wipe paint off outside of gun using a soft cloth moistened with water or flushing solvent.

Storage

Short Term Storage

(up to 2 days)

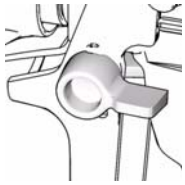
1. **Relieve pressure**, page 9.
2. Leave suction tube and prime tube in paint pail.


ti9353a

3. Cover paint pail and hoses tightly with plastic wrap.

ti9350a

4.
   a. Engage trigger lock.
   b. Leave gun attached to hose.


ti8908a

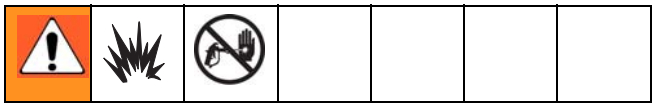
   c. If you have not already cleaned them, remove tip and guard from gun and clean with water or flushing solvent. A soft brush can be used to loosen and remove dried on material if needed.

ti9671a

   d. Wipe paint off outside of gun using a soft cloth moistened with water or flushing solvent.

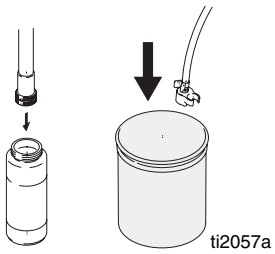
Long Term Storage

(more than 2 days)

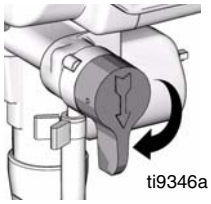


- Always circulate Pump Armor storage fluid through system after cleaning. Water left in sprayer will corrode and damage pump.
- Follow Shutdown and Cleaning, page 17, or Power Flush Cleaning, page 19.

1. Place suction tube in Pump Armor storage fluid bottle and prime tube in waste pail.


ti2057a

2. Turn Prime/Spray valve to PRIME.


ti9346a

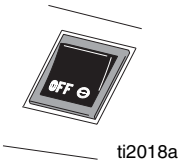
3. Turn power switch ON.

ti5580a

4. Turn pressure control knob clockwise until the pump turns on.

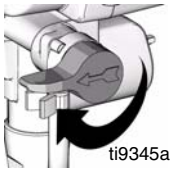
ti9343a

5. When storage fluid comes out of prime tube (5-10 seconds) turn power switch OFF.



ti2018a

6. Turn Prime/Spray valve to SPRAY to keep storage fluid in sprayer during storage.

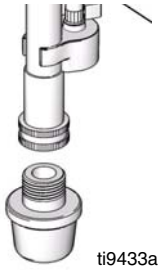

ti9345a

Stowing Sprayer

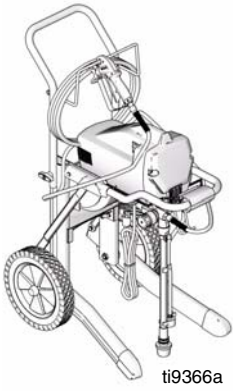
CAUTION

- Before storing sprayer make sure all water is drained out of sprayer and hoses.
- Do not allow water to freeze in sprayer or hose.
- Do not store sprayer under pressure.

1. Screw inlet screen onto suction tube.


ti9433a

2. Coil hose. Leave it connected to sprayer. Wrap hose around hose wrap bracket.


ti9366a

3. Secure a plastic bag around suction tube to catch any drips.

4. Store sprayer indoors.

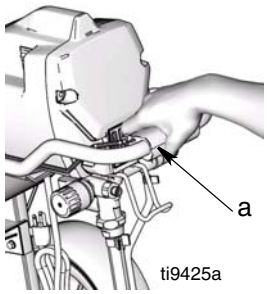
ti5552a

Fold-n-Store™ Storage

The sprayer cart can be folded for convenient and compact storage.

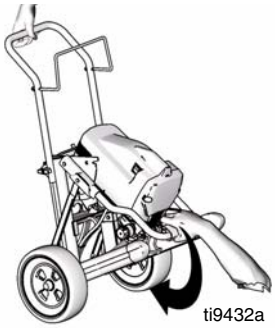
Folding the Sprayer (ProLTS Sprayers Only)

1. Grasp cart handle securely with one hand. With the other hand, lift and pull Fold-n-Store handle (a) in front of sprayer frame, toward you.

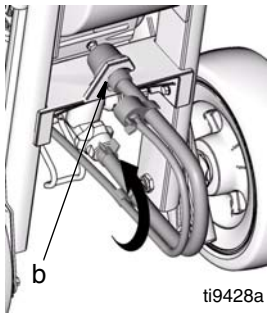


ti9425a

2. Push front of sprayer down, toward floor while holding cart handle securely with your other hand as shown.


ti9432a

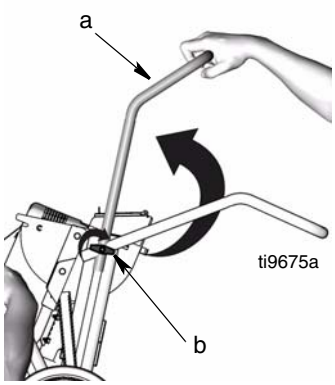
3. Slide suction tube under hook (b) in back of sprayer cart.



ti9428a

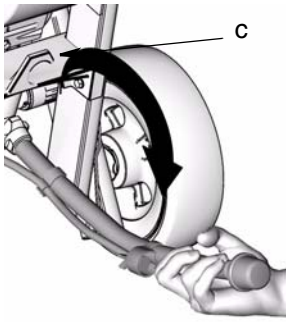
Unfolding the Sprayer (ProLTS Sprayers Only)

1. If folded for compact, shelf storage, unfold handle (a) and align as shown.



2. Tighten wingnuts (b).

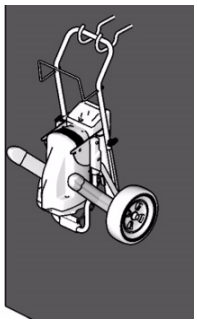
3. Remove suction tube from hook (c) in the back of the sprayer.



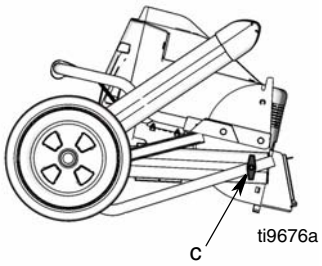
4. Grasp cart handle securely with one hand. With the other hand lift and pull Fold-n-Store handle (a) located in front of sprayer frame, toward you. Lift up front of sprayer until you hear a click and the cart is locked in place.

Storage Options (ProLTS Sprayers Only)

- The folded sprayer can be stored on a wall as shown.



- For compact, shelf storage, loosen, but do not remove, wingnuts (c) and fold handle down as shown.



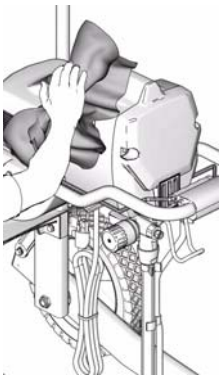
Maintenance and Service

CAUTION

Protect the internal drive parts of this sprayer from water. Openings in shroud allow cooling of mechanical parts and electronics inside. If water gets into these openings, the sprayer could malfunction or be permanently damaged.

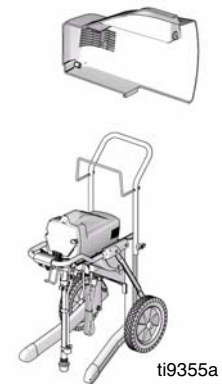
Caring for Sprayer

Keep sprayer and all accessories clean and in good working order.



ti9354a

To avoid overheating motor, keep vent holes in shroud clear for air flow. Do not cover sprayer while spraying.



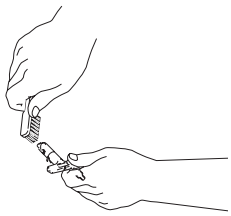
ti9355a

Paint Hoses

Check hose for damage every time you spray. Do not attempt to repair hose if hose jacket or fittings are damaged. Do not use hoses shorter than 25 ft (7.6 m). Wrench tighten, using two wrenches.

Tips

- Always clean tips with compatible solvent and brush after spraying.
- Tips may require replacement after 15 gallons (57 liters) or they may last through 60 gallons (227 liters) depending on abrasiveness of paint.
- Do not spray with worn tip.

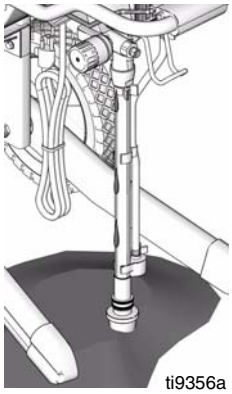


ti2055a

Pump Packings

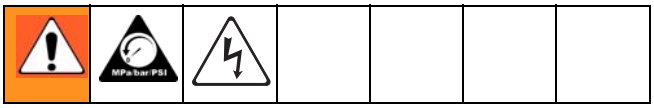
When pump packings wear, paint will begin to leak down outside of pump.

- Replace pump packings at first sign of leaking or additional damage could occur.
- Purchase a pump repair kit and install according to instructions provided with kit.
- Consult a Graco/MAGNUM authorized service center.



ti9356a

Troubleshooting



Check everything in this Troubleshooting Table before you bring the sprayer to a Graco/MAGNUM authorized service center.

Problem	Cause	Solution
Power switch is on and sprayer is plugged in, but motor does not run, and pump does not cycle.	Pressure is set at zero pressure.	Turn pressure control knob clockwise to increase pressure setting.
	Motor or control is damaged.	Take sprayer to Graco/MAGNUM authorized service center.
	Electric outlet is not providing power.	• Try a different outlet or plug in something that you know is working to test outlet. • Reset building circuit breaker or replace fuse.
	Extension cord is damaged.	Replace extension cord. Read Grounding and Electric Requirements, page 6.
	Sprayer electric cord is damaged.	Check for broken insulation or wires. Replace electric cord if damaged.
	Paint and/or water is frozen or hardened in pump.	Unplug sprayer from outlet. If frozen do NOT try to start sprayer until it is completely thawed or you may damage the motor, control board and/or drivetrain. Make sure power switch is OFF. Place sprayer in a warm area for several hours. Then plug in powercord and turn sprayer ON. Slowly increase pressure setting to see if motor will start. If paint is hardened in sprayer, pump packings, valves, drivetrain or pressure switch may need to be replaced. Take sprayer to Graco/MAGNUM authorized service center.

Problem	Cause	Solution
Pump does not prime.	Prime/Spray Valve is in SPRAY position.	Turn Prime/Spray Valve to PRIME position (pointing down).
	Inlet screen is clogged or suction tube is not immersed.	Clean debris off inlet screen and make sure suction tube is immersed in fluid.
	Pump was not primed with flushing fluid.	Remove suction tube from paint. Prime pump with water or solvent-based flushing fluid, page 10.
	Inlet valve check ball is stuck.	Remove suction tube and place a pencil into the inlet section to dislodge the ball, allowing pump to prime properly. OR Power Flush sprayer, page 19.
		AutoPrime may need replacement. Turn power switch ON and listen for “tap” in pump. If you do not hear “tap”, AutoPrime is damaged. Take sprayer to Graco/MAGNUM authorized service center.
	Inlet valve check ball or seat is dirty	Remove inlet fitting. Clean or replace ball and seat.
	Outlet valve check ball is stuck.	**ProLTS 17 and ProLTS 19:** Insert screw driver in slot and remove Easy-Access™ door, page 7. Unscrew outlet valve with a 3/4 in. socket. Remove and clean assembly. **LTS 15 and LTS 17:** Remove outlet fitting and clean outlet check ball.
	Suction tube is leaking.	Tighten suction tube connection. Inspect for cracks or vacuum leaks.
	Pump does not prime with fluid.	Remove suction tube from paint. Prime pump with water or solvent-based flushing fluid.

Problem	Cause	Solution
Pump cycles but does not build up pressure.	Pump is not primed.	Prime pump.
	Inlet screen is clogged .	Clean debris off inlet screen and make sure suction tube is immersed in fluid.
	Suction tube is not immersed in paint.	Make sure suction tube is immersed in paint.
	Suction tube is leaking.	Tighten suction tube connection. Inspect for cracks or vacuum leaks. If cracked or damaged, replace suction tube.
	Prime/Spray Valve is worn or obstructed with debris.	Take sprayer to Graco/MAGNUM authorized service center.
	Pump check ball is stuck.	Read ***Pump does not prime*** section in Troubleshooting, page 27.
Pump cycles, but paint only dribbles or spurts when spray gun is triggered.	Pressure is set too low.	Slowly turn Pressure Control Knob clockwise to increase pressure setting which will turn motor on to build pressure.
	Spray tip is clogged.	Unclog spray tip, page 13.
	InstaClean fluid filter is clogged.	Clean or replace InstaClean fluid filter, page 21.
	Spray gun fluid filter is clogged.	Clean or replace gun fluid filter, page 21.
	Spray tip is too large or worn.	Replace tip.

Problem	Cause	Solution
Pressure is set at maximum but cannot achieve a good spray pattern.	Reversible spray tip is in UNCLOG position.	Rotate arrow-shaped handle on spray tip so it points forward in SPRAY position, page 13.
	Spray tip is too large for sprayer.	Select smaller spray tip.
	Spray tip is worn beyond capability of sprayer.	Replace spray tip.
	Extension cord is too long or not heavy enough gauge.	Replace extension cord. Grounding and Electrical Requirements, page 6.
	Spray gun fluid filter is clogged.	Clean or replace spray gun fluid filter, page 21.
	InstaClean fluid filter is clogged.	Clean or replace InstaClean fluid filter, page 21.
	Inlet screen is clogged.	Clean debris off inlet screen.
	Pump valves are worn.	Check for worn pump valves. a. Prime sprayer with paint b. Trigger gun momentarily. When trigger is released, pump should cycle momentarily and stop. If pump continues to cycle, pump valves may be worn.
	Material is too thick.	Thin material.
	Hose is too long (if extra section is added).	Remove section of hose.
Spray gun stopped spraying.	Pump was not primed with flushing fluid.	Remove suction tube from paint. Prime pump with water or solvent-based flushing fluid.
	Suction tube is leaking.	Tighten suction tube connection. Inspect for cracks or vacuum leaks.
	Prime/Spray valve is plugged.	Clean/replace prime tube as necessary. Take sprayer to Graco/MAGNUM authorized service center if valve is plugged.
	Spray tip is clogged.	Unclog spray tip, page 13.
When paint is sprayed, it runs down the wall or sags.	Coat is going on too thick.	Move gun faster.
		Choose a tip with smaller hole size.
		Choose tip with wider fan.
		Make sure gun is far enough from surface.

Problem	Cause	Solution
When paint is sprayed, coverage is inadequate.	Coat is going on too thin.	Move gun slower.
		Choose tip with larger hole size.
		Choose tip with narrower fan.
		Make sure gun is close enough to surface.
Fan pattern varies dramatically while spraying. OR Sprayer does not turn on promptly when resuming spraying.	Pressure control switch is worn and causing excessive pressure variation.	Take sprayer to Graco/MAGNUM authorized service center.
Cannot trigger spray gun.	Spray gun trigger lock is locked.	Rotate trigger safety lever to unlock trigger lock, page 9.
Paint is coming out of pressure control switch.	Pressure control switch is worn.	Take sprayer to Graco/MAGNUM authorized service center.
Prime/Spray valve actuates automatically relieving pressure through prime tube.	System is over pressurizing.	Take sprayer to Graco/MAGNUM authorized service center.
Paint leaks down outside of pump.	Pump packings are worn.	Replace pump packings.
Motor is hot and runs intermittently. Motor automatically shuts off due to excessive heat. Damage can occur if cause is not corrected. **Thermal Overload**, page 6.	Vent holes in enclosure are plugged or sprayer is covered.	Keep vent holes clear of obstructions and overspray and keep sprayer open to air.
	Extension cord is too long or not a heavy enough gauge.	Replace extension cord. Read Grounding and Electrical Requirements, page 6.
	Unregulated electrical generator being used has excessive voltage.	Use electrical generator with a proper voltage regulator. Sprayer requires 120VAC, 60 Hz, 1500-Watt generator.

Technical Data

	MAGNUM LTS 15	MAGNUM LTS 17
Working pressure range	0-2800 psi (0-19 MPa, 0-193 bar)	0-3000 psi (0-21 MPa, 0-207 bar)
Electric motor	6.0A (open frame, universal)	6.0A (open frame, universal)
Operating horsepower	1/2	5/8
Maximum delivery (with tip)	0.24 gpm (0.91 lpm)	0.31 gpm (1.17 lpm)
Paint hose	1/4 in. x 25 ft (6.4 mm x 7.5 m)	1/4 in. x 25 ft (6.4 mm x 7.5 m)
Maximum tip hole size	0.015 in. (0.38 mm)	0.017 in. (0.43 mm)
Weight, sprayer only	16 lb (7.3 kg)	26 lb (11.8 kg)
Weight, sprayer, hose & gun	19.2 lb (8.7 kg)	29.2 lb (13.2 kg)
Dimensions (Upright):		
Length	14.5 in. (36.8 cm)	19.3 in. (49.0 cm)
Width	12.4 in. (31.5 cm)	15.3 in. (38.9 cm)
Height	17.9 in. (45.5 cm)	37.0 in. (94.0 cm)
Dimensions (Folded):		
Length	N/A	19.3 in. (49.0 cm)
Width	N/A	15.3 in. (38.9 cm)
Height	N/A	29.2 in. (74.2 cm)
Power cord	18 AWG, 3-wire, 6 ft (1.8 m)	
Fluid inlet fitting	3/4 in. internal thread (standard garden hose thread)	
Fluid outlet fitting	1/4 NPSM external thread	
Inlet screen (on suction tube)	35 mesh (450 micron)	
Wetted parts, pump & hose	stainless steel, brass, leather, ultra-high molecular weight polyethylene (UHMWPE), carbide, nylon, aluminum, PVC, polypropylene, fluroelastomer	
Wetted parts, gun	aluminum, brass, carbide, nylon, plated steel, stainless steel, UHMWPE, zinc	
Generator requirement	1500 Watt minimum	
Electrical power requirement	120 Vac, 60 Hz, 15A, 1 phase	
Storage temperature range ◆❖	-30° to 160°F (-35° to 71°C)	
Operating temperature range ✔	40° to 115°F (4° to 46°C)	

◆ When pump is stored with non-freezing fluid. Pump damage will occur if water or latex paint freezes in pump.
❖ Damage to plastic parts may result if impact occurs in low temperature conditions.
✔ Changes in paint viscosity at very low or very high temperatures can affect sprayer performance.

	MAGNUM ProLTS 17	MAGNUM ProLTS 19
Working pressure range	0-3000 psi (0-21 MPa, 0-207 bar)	0-3000 psi (0-21 MPa, 0-207 bar)
Electric motor	5.8A (open frame, permanent magnet DC)	9.4A (open frame, permanent magnet DC)
Operating horsepower	3/4	7/8
Maximum delivery (with tip)	0.34 gpm (1.29 lpm)	0.38 gpm (1.44 lpm)
Paint hose	1/4 in. x 50 ft (6.4 mm x 15 m)	1/4 in. x 50 ft (6.4 mm x 15 m)
Maximum tip hole size	0.017 in. (0.43 mm)	0.019 in. (0.48 mm)
Weight, sprayer only	43 lb (20 kg)	43 lb (20 kg)
Weight, sprayer, hose & gun	46 lb (21 kg)	46 lb (21 kg)
Dimensions (Upright):		
Length	23.75 in. (60.32 cm)	23.75 in. (60.32 cm)
Width	17.5 in. (44.45 cm)	19.25 in. (48.89 cm)
Height	36.5 in. (92.71 cm)	36.5 in. (92.71 cm)
Dimensions (Folded):		
Length	23.25 in. (59.05 cm)	23.25 in. (59.05 cm)
Width	17.5 in. (44.45 cm)	19.25 in. (48.89 cm)
Height	22.00 in. (55.88 cm)	22.00 in. (55.88 cm)
Power cord	16 AWG, 3-wire, 6 ft (1.8 m)	
Fluid inlet fitting	3/4 in. internal thread (standard garden hose thread)	
Fluid outlet fitting	1/4 NPSM external thread	
Inlet screen (on suction tube)	35 mesh (450 micron)	
Wetted parts, pump & hose	stainless steel, brass, leather, ultra-high molecular weight polyethylene (UHMWPE), carbide, nylon, aluminum, PVC, polypropylene, fluroelastomer	
Wetted parts, gun	aluminum, brass, carbide, nylon, plated steel, stainless steel, UHMWPE, zinc	
Generator requirement	1500 Watt minimum	
Electrical power requirement	120 Vac, 60 Hz, 15A, 1 phase	
Storage temperature range ◆❖	-30° to 160°F (-35° to 71°C)	
Operating temperature range ✔	40° to 115°F (4° to 46°C)	

◆ When pump is stored with non-freezing fluid. Pump damage will occur if water or latex paint freezes in pump.
❖ Damage to plastic parts may result if impact occurs in low temperature conditions.
✔ Changes in paint viscosity at very low or very high temperatures can affect sprayer performance.

Notes

Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

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In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

FOR GRACO CANADA CUSTOMERS

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Les parties reconnaissent avoir convenu que la rédaction du présente document sera en Anglais, ainsi que tous documents, avis et procédures judiciaires exécutés, donnés ou intentés, à la suite de ou en rapport, directement ou indirectement, avec les procédures concernées.

TO PLACE AN ORDER or to identify the nearest Graco/MAGNUM distributor, contact us at 1-888-541-9788

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